1 WE CLAIM:

- A pleated shade assembly capable of
- 4 height adjustment without use of pull cords,
- 5 comprising, in combination:
- 6 a) an upper elongated support,
- 7 b) a lower elongated member that is
- 8 manually adjustable up and down,
- 9 c) primary lines extending through shade
- 10 pleats to suspend said bottom elongated member,
- d) primary rotors at said top elongated
- 12 support to entrain said primary lines,
- e) at least one secondary line having
- 14 operative connection to said primary lines,
- 15 f) and means acting on said secondary line
- 16 or lines for counterbalancing suspension force exerted
- 17 on said primary lines at different shade height
- 18 adjusted levels,
- 19 q) said means including dual rotary members
- 20 exerting tensioning force on said secondary line or
- 21 lines,
- 22 h) said means including a spring coupled to
- 23 said dual rotary members and exerting force tending to
- 24 entrain said secondary line or lines about said dual

rotary members, for storage on at least one of the 1 2 members. 3 4 5 2. The combination of claim 1 wherein said spring has S-shaped configuration. 6 7 8 The combination of claim 1 wherein said 9 3. spring winds in a clockwise direction about one of said 10 members, and in a counterclockwise direction about the 11 other of said members. 12 13 14 4. The combination of claim 1 wherein said 15 at least one member has coaxial first and second 16 17 surface portions, the spring winding about the first portion, and the secondary line winding about the 18 second portion. 19 20 21 The combination of claim 4 wherein each 5. 22 of the members has coaxial first and second surface 23 portions, the spring winding about the first portion 24

and the secondary line or lines winding about the

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second portion.

1 6. The combination of claim 5 including a 2 housing, and posts in the housing supporting the 3 members for free rotation about axes defined by the 4 posts. 5 6 7 7. The combination of claim 6 including annular caps associated with the posts and members, for 8 9 axially positioning the members in the housing. 10 11 8. 12 The combination of claim 6 wherein the housing is defined by a portion of said upper elongated 13 14 support which is a shade head rail. 15 16 The assembly of claim 1 wherein said 17 9. primary rotors include at least one second rotor over 18 19 which said primary lines are entrained, and said 20 primary rotors include a third rotor in the form of a pulley over which one of said primary lines is 21 22 entrained, and a fourth rotor in the form of a pulley 23 over which another of said primary lines is entrained. 24

The assembly of claim 9 wherein said upper elongated support protectively contains all of said primary rotors and said tensioning means. The assembly of claim 1 wherein said primary lines have first terminals operatively connected to said lower elongated member, below said upper support. 12. The assembly of claim 1 including a guide rotor over which a section of said secondary line travels, said section located between said connection and said means, said guide rotor movable axially generally normal to said path of travel.

A collapsible shade assembly capable of height adjustment without use of pull cords, 2 comprising, in combination: 3 4 a) an upper elongated support, 5 b) a lower elongated member that is 6 manually adjustable up and down, 7 c) primary lines extending adjacent the shade to suspend said bottom elongated member, 8 9 d) primary rotors at said top elongated support to entrain said primary lines, 10 11 e) at least one secondary line having 12 operative connection to said primary lines, f) and means acting on said secondary line 13 14 or lines for counterbalancing suspension force exerted 15 on said primary lines at different shade height 16 adjusted levels, said means including a dual rotary 17 member entraining said secondary line, and a spring operatively connected to said dual rotary members. 18 19 20 21 14. The combination of claim 13 wherein said 22 spring has S-shaped configuration. 23 24

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